



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7  
25 FUNSTON ROAD  
KANSAS CITY, KANSAS 66115

~~L. F. ...~~  
~~G. Steve ...~~  
RECEIVED

NOV 14 1985

November 12, 1985

SUPERFUND BRANCH

MEMORANDUM

SUBJECT: Preliminary Assessment  
Perfection Manufacturing Company, St. Louis, Missouri

FROM: Paul E. Doherty *PD*  
Chief, SINV/EP&R/ENSV

TO: Robert L. Morby  
Chief, SPFD

THRU: William J. Keffer *WK*  
Chief, EP&R/ENSV

John C. Wicklund *CPH for*  
Director, ENSV

David A. Wagoner  
Director, WSTM

Attached for your review is a preliminary assessment of the above-referenced facility.

We concur with the report's conclusions and recommendations.

If you have any questions or comments, please call me at 236-3888.

Attachments

SUPERFUND  
NOV 18 1985  
SITE LOG



## ecology and environment, inc.

FAIRWAY WEST OFFICE BLDG., 4350 SHAWNEE MISSION PARKWAY, SHAWNEE MISSION, KS 66205, TEL. 913-432-9961

International Specialists in the Environment

### MEMORANDUM

TO: Paul Doherty

FROM: John R. Dillon

DATE: October 31, 1985

SUBJECT: Preliminary Assessment of the Perfection  
Manufacturing Company, St. Louis, MO.  
TDD # R-07-8505-10

The Ecology & Environment, Inc. Field Investigation Team (E&E/FIT) was tasked on June 3, 1985 to perform a preliminary assessment of the Perfection Manufacturing Company potential hazardous waste site (EPA ID #MOD041885856) by the Region VII office of the U.S. Environmental Protection Agency (EPA). The purpose of this assessment is to establish the hazards potentially posed by this site and to make recommendations regarding further investigation, if necessary.

The Perfection Manufacturing Company site was identified on August 7, 1980, when the Schenuit Industries, Inc. now known as Perfection Mfg. Co., filed a Resource Conservation Recovery Act form 8700-12 with the Region VII office of the Environmental Protection Agency (EPA) (Ref. 2).

Background information and EPA files were obtained from the EPA Regional Headquarters. Other needed information was obtained from the site contact Mr. Jerry Talbot, Allegheny International, Lincolnton, North Carolina, (704) 735-6582, former owners of Perfection Mfg. Company, and Mr. Larry Jones, Jones Wholesale Grocers, St. Louis, Missouri, (314) 383-0222 new owners of the old Perfection Mfg. building (Ref. 4,6).

The Perfection Mfg. Company is located approximately 3 miles north of downtown St. Louis just east of Interstate 70. The site is located approximately 1 mile west of the Mississippi River. The site is surrounded on the north and west by industrial facilities, on the east by a vacant parking lot and on the south side by residential housing. The site is secured by Pinkerton Security Systems of St. Louis, Missouri (Ref. 3,6).

Perfection Mfg., a wholly owned subsidiary of Allegheny International, P.O. Box 456, Pittsburg, Pennsylvania, (412) 562-4000, while in operation from January of 1981 to May of 1983 manufactured exercise equipment (i.e., bicycles, weight equipment, etc.). Perfection Mfg. used the solvent "Xylene"

as a paint thinner and as a cleaning agent in their painting operation. The spent solvent, collected in 55-gallon drums, was picked up approximately every 4 months by Commercial Cleaning and Hauling, 2301 Olive St., St. Louis, Missouri (314) 241-2226, and hauled to T.W.I. Inc., 7 Mobil Street, Sauget, Illinois 62201, (618) 271-2804 for disposal. According to waste hauling manifests located in the EPA files, approximately 200 gallons of waste solvent were delivered each shipment (Ref. 1, 4). No drains were observed in the solvent storage area.

The general surface water flow in the area is towards the south-southeast. Groundwater recharge within the vicinity of the site is very limited due to large amounts of paved area. The St. Louis-Salem formation, the only formation in the area yielding any significant amount of water lies approximately 300 feet below the surface and yields less than 5 gallons of salt water per minute (Ref. 5).

A site visit was conducted on July 17, 1985 by the FIT. Upon arrival, John R. Dillon, E&E, was met by Mr. Larry Jones. Access was granted by Mr. Jones to perform an inspection of the inside of the facility. The former solvent storage facility was located in the northwest corner of the main building. Spent solvent was collected and drummed for storage in a secure room adjacent to the painting operation. No drains were observed near the storage or painting areas, thus limiting the possibility of contamination from leaks or spills to surface or groundwater. During the inspection, no signs of contamination due to past handling of wastes were noted. The building is now used as a storage facility for non-perishable grocery goods. With this information it is our recommendation that no further investigation be considered for this site in the future.

JRD:ct

## REFERENCES

1. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) file of the Perfection Manufacturing Company potential hazardous waste site EPA ID # MOD04188586.
  2. RCRA Notification of Hazardous Waste Activity Form 8700-12.
  3. Granite City Quadrangle, 7.5 Minute Series Topographic map.
  4. Phone interview with Mr. Jerry Talbot, (former plant manager, Perfection Mfg. Co.) Alleghany International, P.O. Box 778, 321 Bypass North, Lincolnton, North Carolina 28092, (704) 735-6582.
  5. Phone interview with Mr. Don Miller, Missouri Geological Survey, Rolla, Missouri, (314) 364-1752.
  6. On-site interview and inspection with Mr. Larry Jones. Jones Wholesale Grocers, 5409 Bulwer Avenue, St. Louis, Missouri, (314) 383-0222.
-



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE MO 02 SITE NUMBER D041885856

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Perfection Mfg.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 5411 Bulver Ave			
03 CITY St. Louis	04 STATE MO	05 ZIP CODE 64147	06 COUNTY St. Louis	07 COUNTY CODE	08 CONG DIST
09 COORDINATES LATITUDE -----		LONGITUDE -----			

10 DIRECTIONS TO SITE (Starting from nearest public road)  
From I-70 East take East Grand Ave exit and go east two blocks to Bulver Ave. Turn left (north) & proceed to 5411 Bulver, approx 4-5 blocks north. The site is located on the northwest corner.

III. RESPONSIBLE PARTIES

01 OWNER (If known) Allegheny International		02 STREET (Business, mailing, residential) P.O. Box 456			
03 CITY Pittsburg	04 STATE PA	05 ZIP CODE 15230	06 TELEPHONE NUMBER (412) 562-4000		
07 OPERATOR (If known and different from owner) Perfection Mfg.		08 STREET (Business, mailing, residential) 5441 Bulver Ave			
09 CITY St. Louis	10 STATE MO	11 ZIP CODE 63147	12 TELEPHONE NUMBER ( ) NA		

13 TYPE OF OWNERSHIP (Check one)  
☒ A. PRIVATE ☐ B. FEDERAL: \_\_\_\_\_ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL  
☐ F. OTHER: \_\_\_\_\_ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)  
☒ A. RCRA 3001 DATE RECEIVED 2 / 7 / 83 ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ ☐ C. NONE  
MONTH DAY YEAR MONTH DAY YEAR

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>7</u> / <u>17</u> / <u>85</u> <input type="checkbox"/> NO MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): Ecology & Environment, Inc.	
--	--	--	--

02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	03 YEARS OF OPERATION 1981 1983 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN
--	--

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  
Waste solvent "xylene" generated from the painting operation.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Possible contamination to surface & groundwater if leaks or spills had occurred during the operation of the facility.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)  
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Jerry Talbot	02 OF (Agency/Organization) Plant Mng.	03 TELEPHONE NUMBER (704) 735-6582
04 PERSON RESPONSIBLE FOR ASSESSMENT John R. Dillon	05 AGENCY E&E	06 ORGANIZATION FIT
07 TELEPHONE NUMBER (913) 432-9961		08 DATE 6 / 5 / 85 MONTH DAY YEAR

SUPERFUND

NOV 18 1985

SITE LOG



☐ I. HIGHLY VOLATILE  
☒ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

## EPA FORM 2070-12 (7-81)





POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
Mo D041885856

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Suspected

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Observed

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Observed

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Observed

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Observed

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_  
(Acres)

None Observed

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Suspected

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

None Suspected

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

None Suspected

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
Mo D041885856

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Observed

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None Suspected

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None Suspected or Observed

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

The facility is now being used as storage for non-perishable grocery goods. No hazardous materials are stored on site at this time. No signs of contamination were noted during the site inspection performed by the FIT on 7/17/85.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

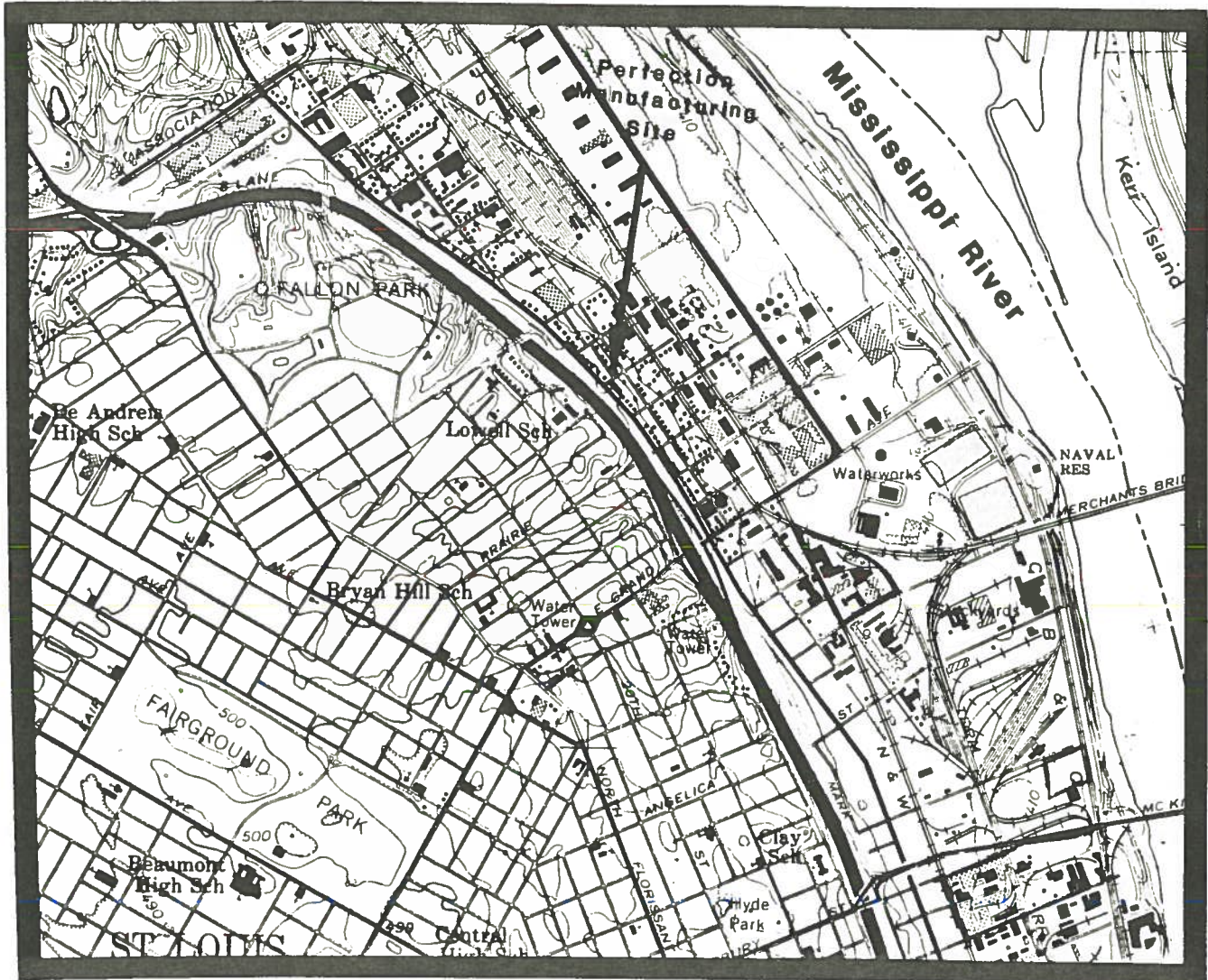
Ref. 1,4



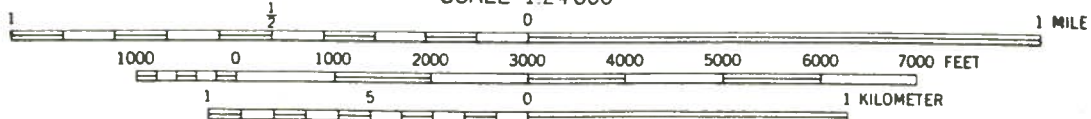
GRANITE CITY QUADRANGLE  
ILLINOIS-MISSOURI  
7.5 MINUTE SERIES (TOPOGRAPHIC)



QUADRANGLE LOCATION



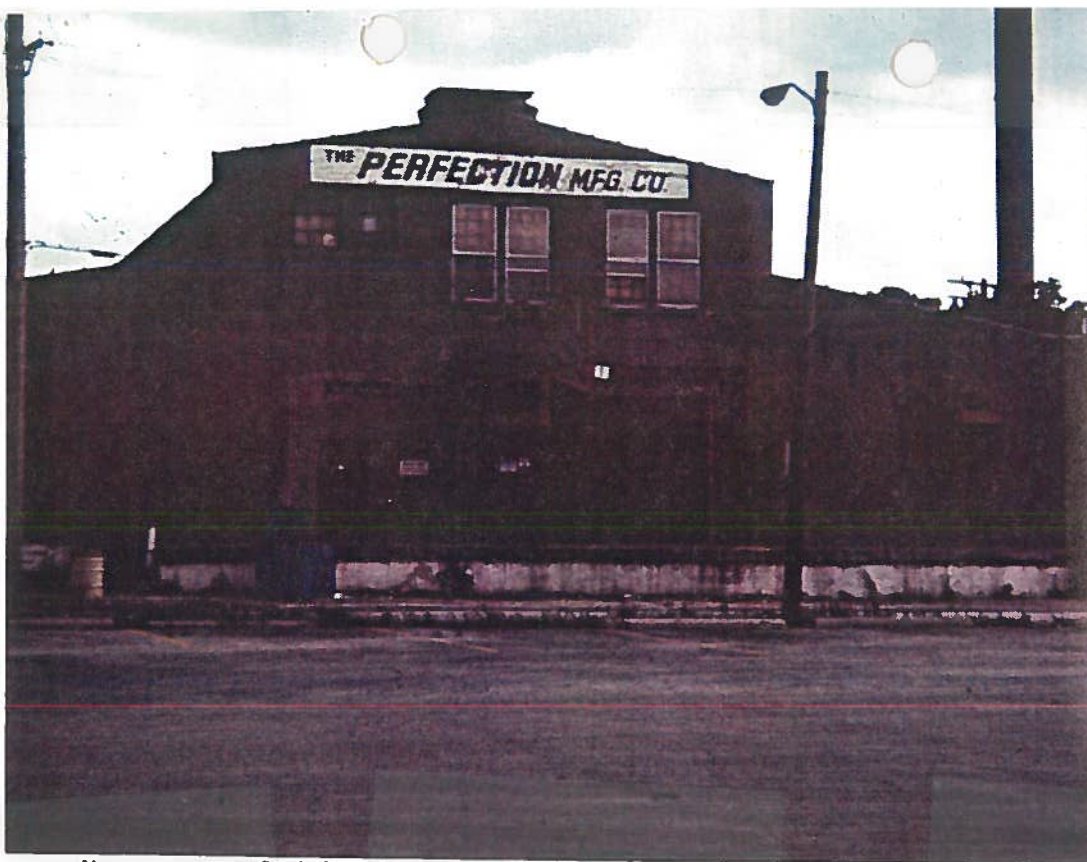
SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
DASHED LINES REPRESENT 5-FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL







Photographer:

John R. Dillon

Witness:

NA

Date: 7/17/85

Time: 1320 Hrs.

Direction West

No. 1 Subject: Front side of building

Facility Perfection Manufacturing Company



Photographer:

John R. Dillon

Witness:

NA

Date 7/17/85

Time: 1330 Hrs.

Direction Northeast

No. 2 Subject: Rear side of building

Facility Perfection Manufacturing Company